

L 15758-63	EPA(b)/EMT(1)/POC(w)/PS(v) - 2/T-2/BDS/KS(r) AFITC/ASD/	
ESD-3/APGC ACCESSION NO.: AR3002641	Pd-l/Pe-l/Pg-l/Po-l/Pq-l	(M) 8/0124/83/000/005/A012/A012
SOURCE: RZI, Mekhanika, Abs. 5A63	85	
AUTHOR: Malarov, O. V.		
TITLE: Remarks on linear-fractional law of mass exhaust		
CITED SOURCE: Nauchn. zap. Odessk. politekhn. in-t., v. 46, 1962, 51-57		
TOPIC TAGS: variable mass, mass exhaust, resistance, medium, ejected particle, Meshcherskiy equation		
TRANSLATION: A comparison is made of the height, the operating interval, the speed at the end of the operating interval, the total height at the maximum operating interval for three cases of vertical motion of a body with variable mass with no resistance, when the mass of the body varies according to the law		
$1) m = m_0 e^{-\alpha t}$ $2) m = m_0 (1 - \alpha t)$ $3) m = m_0 (1 + \alpha t)^{-1}$ It is established that the third law of mass exhaust guarantees an equal or greater effect than the first two. Analogous results are obtained for the horizontal motion. Consideration is given to the cases of horizontal and vertical		
Card 1/2		

PANFIL', L.S.; MAKAROV, O.D.

We are using every means for the reduction of operational expenses.
Elek. i tepl. tiaga 5 no. 3:20-21 Mr '61. (MIRA 14:6)

1. Nachal'nik sluzhby elektrifikatsii i energeticheskogo khozyaystva
Tomskoy dorogi (for Panfil'). 2. Nachal'nik Novosibirskogo uchastka
energosnabzheniya (for Makarov).

(Electric railroads--Current supply)

L 31533-66

ACC NR: AT6011935

test piece may have a complex configuration with a maximum drop in thickness along the irradiation direction of up to 100 mm. Experiments carried out at 25 MeV (radiation intensity 40-60 Roentgen/min) show that flaw detection is no worse than 0.3-1% of the maximum thickness of the sample. The productivity is at least 2 m²/hour, the device requires a three-phase a.c. power supply, and it uses no more than 15 kW. The article describes the process of production control, outlines the automatic control system, and the X-ray photography system. Orig. art. has: 3 figures.

SUB CODE: 13,09 SUBM DATE: 29Nov65/ ORIG REF: 003

Card 2/2 ZC

R 31533-66 EMT(d)/EWP(c)/EWP(v)/T/EWP(k)/EWP(h)/EWP(l) IJP(c) GD/DC
ACC NR: AT6011935

SOURCE CODE: UR/0000/66/000/000/0158/0162

AUTHOR: Gorbunov, V. I. (Tomsk); Makarov, N. Ya. (Tomsk); Cheshev, V. V. (Tomsk); Abramov, V. P. (Tomsk); Voroshen', L. B. (Tomsk)

7/

✓

✓

ORG: none

TITLE: Automatic quality control of very thick products

SOURCE: Vsesoyuznaya konferentsiya po avtomaticheskому контролю и методам электрических измерений, 5th. Avtomaticheskiy kontrol' i metody elektricheskikh izmereniy; trudy konferentsii, t. 2: Izmeritel'nyye informatsionnye sistemy. Ustroystva avtomaticheskogo kontrolya. Elektricheskiye izmereniya neelektricheskikh velichin (Automatic control and electrical measuring techniques; transactions of the conference, v. 2: Information measurement systems. Automatic control devices. Electrical measurements of nonelectrical quantities). Novosibirsk, Izd-vo Nauka, 1966, 158-162

TOPIC TAGS: automatic control system, quality control, betatron, x ray apparatus, flaw detector

ABSTRACT: The mass production control of very thick products requires the development of new, more efficient devices for the realization of satisfactory quality control. The present paper describes a BD-1 automated betatron flaw detector, a universal mobile device based on the B-25/10 betatron and presents a detailed outline of its automatic control. The device can carry out continuous plant control of steel products 50-500 mm thick and 0.5 to 8 m long. The

Card 1/2

SPOROV, O.A., kand.med.nauk; D'YACHKOV, P.L.; MAKAROV, N.Ye.

Protection of personnel from X-ray irradiation in the angiokeratization of the heart and vessels. Vest.rent.1 rad. 40 no. 5:58-61
S.O '65. (MIRA 38:12)

1. Rentgenovskoye ctdeleniye (zav. - prof. K.A.Moskacheva)
Instituta pediatrii AMN SSSR i Moskovskaya gorodskaya rentgeno-
radiologicheskaya stantsiya, Moskva.

ZLATKIN, Moisey Grigor'yevich; DOROKHOV, Nikolay Nikolayevich; LEBEDEV, Nikolay Ivanovich; MAKAROV, Nikolay Yevgen'yevich; NEYSHTAT, Zya-ma Fal'kovich; SYCHEV, Arkadiy Mikhaylovich; SKLYUIEV, P.V., kand. tekhn. nauk, retsenzent; TASHCHEV, A.K., kand. tekhn. nauk, retsenzent; TRUBIN, V.N., kand. tekhn. nauk, retsenzent; VSHIVKOV, P.P., inzh., retsenzent; KON'KOV, A.S., inzh., retsenzent; LEBEDEV, N.S., inzh., retsenzent; POTEKUSHIN, N.V., inzh., retsenzent; TYAGUNOV, V.A., doktor tekhn. nauk, red.; SOKOLOV, K.N., kand. tekhn. nauk, red.; SKORNYAKOV, V.B., red.; YAROSHENKO, Yu.G., red.; ZAKHAROV, B.P., inzh., red.; AMIROV, I.M., inzh., red.; MYSHKOVSKIY, V.A., inzh., red.; SHELEKHOV, V.A., inzh., red.; BOGOMOLOV, O.P., inzh., red.; KATS, I.S., inzh., red.; LEVANOV, A.N., inzh., red.; DUGINA, N.A., tekhn. red.

[Handbook on forging practices] Spravochnik rabochego kuznechno-shtampovochnogo proizvodstva. By M.G.Zlatkin i dr. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 776 p.

(MIRA 14:9)

(Forging—Handbooks, manuals, etc.)

MAKAROV, N. Ye.

Mbr., Kazan State Univ. im. V. I. Ul'yanov-Lenin, -c1949-.

Hydrochemistry.

"Hydrochemical Facies of Subterranean Waters from the Lower Permian in the Southern End of the Vyatskiy Bank,"

SO: Dok. AN, 68, No. 2, 1949.

MAKAROV, N.V.; POPOVA, Ye.G.; KRAFT, M.Ya.; BOGDANOVA, N.S.; POLUKHINA, L.M.;
PERSHIN, G.N.

Effect on influenza viruses and synthesis of N-acyl derivatives of
uracil. Farm. i toks. 27 no.1:63-68 Ja-F '64.

(MIRA 17:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut imeni Ordzhonikidze.

MAKAROV, N.V.; SHCHEKOCHIKHINA, V.O.

Effect of gold thiocyanate on the photographic properties of emulsions. Part 1: Emulsions on gelatins with various sulfite content. Zhur.nauch. i prikl.fot. i kin. 9 no.2:126-127 Mr-Ap '64. (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut (NIKFI).

SUVOROV, N.N.; SOKOLOVA, L.V.; MAKAROV, N.V.

Interaction between organolithium compounds and steroid keto oxides.
Inv. AN SSSR, Otd. khim. nauk no. 5:934 My '61. (MIRA 14:5)

1. Nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut im.
S. Ordzhonikidze i Institut khimii prirodnnykh soyedineniy AN SSSR.
(Lithium organic compounds) (Steroids)

SUVOROV, N.N.; SOKOLOVA, L.V.; MAKAROV, N.V.

Reaction between methylmagnesium iodide and steroid ketoxides.
Izv. AN SSSR. Otd. khim. nauk no.12:2257-2258 D 160. (MIKA 13:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut im. S. Ordzhonikidze i Institut khimii prirodykh soedineniy
AN SSSR.

(Magnesium compounds) (Steroids)

SOV/20-128-1-32/58
Transformation of Furanidine and Tetrahydropyran into the Respective
Silicon-containing Heterocycles. Transformation of the Latter into
Sulfur-containing Heterocycles

PRESENTED: April 27, 1959, by A. N. Nesmeyanov, Academician

SUBMITTED: April 18, 1959

Card 3/3

SOV/20-128-1-32/58

Transformation of Furanidine and Tetrahydropyrane Into the Respective
Silicon-containing Heterocycles. Transformation of the Latter Into
Sulfur-containing Heterocycles

the contact with aluminum oxide at 350°. Tetramethylene silane was also obtained by a common catalytic dehydrogenation of butanediol-1,4 and monosilane under the same conditions. In the case of action of hydrogen sulfide on tetramethylene silane or tetramethylene dichloro silane the cyclically bound silicon atom is replaced by sulfur, thus forming thiophane (14% and 4% respectively). Tetrahydropyrane transforms to pentamethylene silane (9.5%) under the action of monosilane at the contact with aluminum oxide at 375°. Under the same conditions pentamethylene silane is transformed to tetrahydrothiopyrane under the action of hydrogen sulfide. There are 7 references, 5 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova
(Moscow State University imeni M. V. Lomonosov)

Card 2/3

5(2)

AUTHORS: Yur'yev, Yu. K., Makarov, N. V.

SOV/20-128-1-32/58

TITLE: Transformation of Furanidine and Tetrahydropyrane Into the
Respective Silicon-containing Heterocycles. Transformation
of the Latter Into Sulfur-containing Heterocycles

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 128, Nr 1, pp 121-123
(USSR)

ABSTRACT: In the present paper the catalytic method of interchangeable
transformations of heterocycles discovered by one of the
authors (Ref 2) was applied. The furanidine was caused to
pass over aluminum oxide in the monosilane flow at 375°, thus
obtaining simultaneously tetramethylene silane (4%) and di-
tetramethylene silane (1.5%). The latter is the transformation
product of furanidine under the action of the tetramethylene
silane formed. Subsequently, a mixture of furanidine and
tetramethylene silane was passed over aluminum oxide, and
ditetramethylene silane (4.5%) was formed. A similar trans-
formation of furanidine under the action of ethyl silane proved
to be impossible since the latter completely decomposes at

MAKAROV, N.V.

YUR'YEV, Yu.K.; MAKAROV, N.V.

1,4-oxyketones and 1,4-diketones in the catalytic synthesis of
 Δ^3 -pyrroline homologues, Δ^3 -dihydrothiophene homologues and
respectively homologues of pyrrole and thiophene. Zhur. ob.
khim. 28 no.4:885-891 Ap '58. (MIRA 11:5)

1. Moskovskiy gosudarstvennyy universitet.
(Ketones) (Pyrroline) (Thiophene)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500045-6

MAKAROV, N.V.

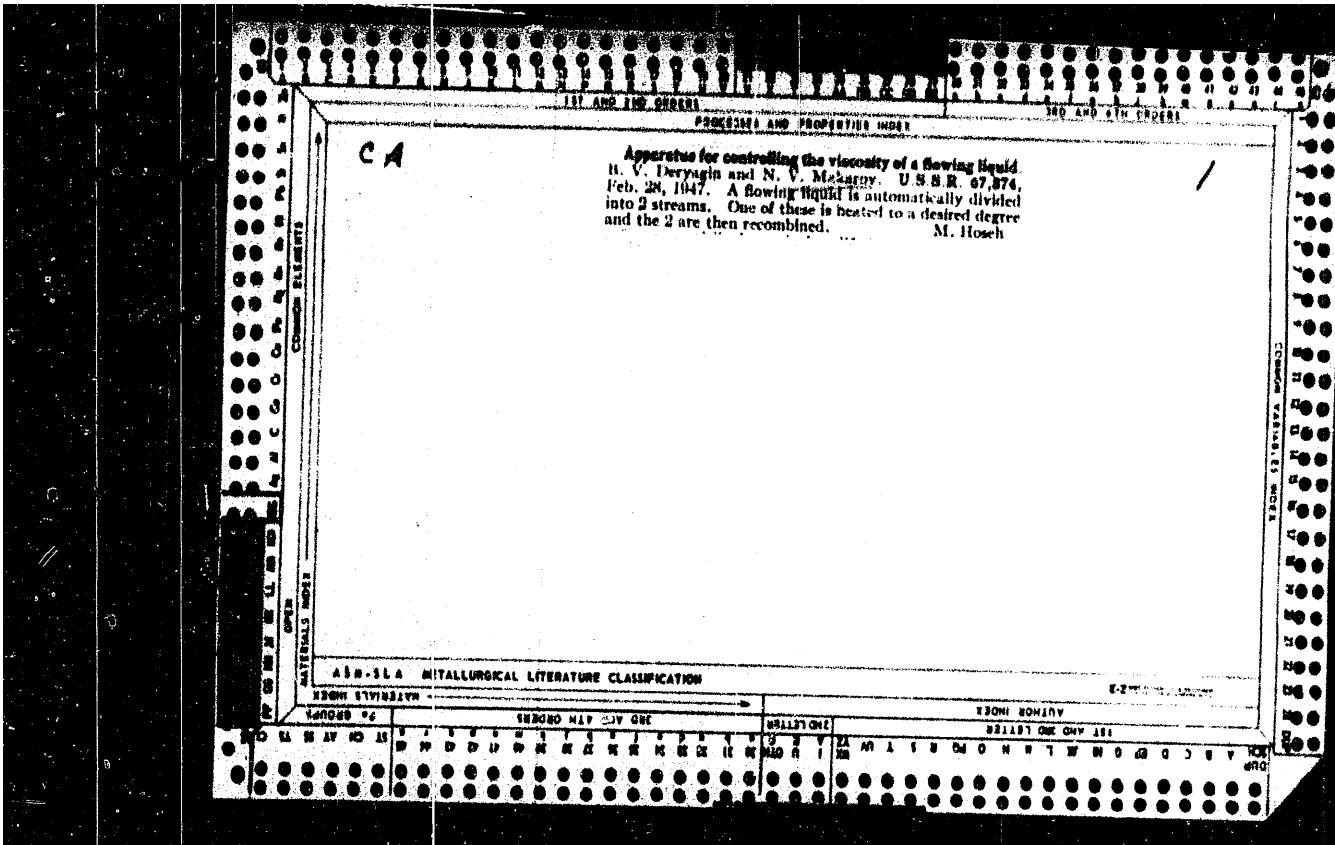
Variable contrast photosensitive layer from silver-halide emulsions.
Patent U.S.S.R. 77,628, Dec. 31, 1949.
(C.A. 47 no.19:9834 '53)

MAKAROV, N.V.

Coagulation of photographic emulsions by sodium sulfate. Trudy NIKFI
no.7:83-84 '47. (MIRA 11:6)

1. Laboratoriya tekhnologii fotosloyev Nauchno-issledovatel'skogo kino-
foto-instituta, Moskva. (Photographic emulsions)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500045-6



Influence of the nature of the gelatin on photographic properties of emulsions. N. V. Makarov, A. V. Polozovskaya and S. A. Pulina. *Photo-Kino Chem. Ind.* U.S.S.R., No. 6, 22-5. Photographic gelatins can be divided into: (1) Those which contain a small amt. of sensitizing materials and no desensitizing materials. The emulsion after the 1st ripening shows a low value of γ . During the 2nd ripening, both sensitivity and γ increase notably. Such gelatins give emulsions of high sensitivity. (2) Those which contain a small amt. of desensitizing substances and possibly a somewhat higher amt. of sensitizing materials than gelatins of the 1st class. The emulsions after the 1st ripening have a somewhat higher γ ; the sensitivity increases somewhat less in the 2nd ripening. Such gelatins give emulsions of moderate sensitivity. (3) Those which contain a small amt. of sensitizing materials and a large amt. of desensitizing materials. Such emulsions after the 1st ripening have a high γ . In the 2nd ripening, the sensitivity is somewhat lowered. Such gelatins give emulsions of low sensitivity. (4) Those which contain a large amt. of both desensitizing and sensitizing materials. The emulsions after the 1st ripening show a high γ and considerable fog. In the 2nd ripening, sensitivity decreases appreciably. Such gelatins give emulsions of low sensitivity and high fog. (5) Gelatins which do not contain sufficient sensitizing materials to sensitize the emulsion grains. In this case, after the 1st ripening, the emulsion will have a low γ , and in the 2nd ripening both sensitivity and γ will remain small. (6) Gelatins in

which the sensitizing materials are present in large amt. but desensitizing materials are entirely absent. These gelatins after the 1st ripening will show very great fog. In the 2nd ripening, they will behave like normal gelatins of the 4th class, showing a fall in sensitivity, but if to emulsions made in the 1st ripening with gelatins of the 1st class there are added gelatins of very high sensitizing content and no desensitizing content, in the 2nd ripening there will be a rapid growth of sensitivity and fog.

C. E. K. Mees

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500045-6

The resolving power of photographic emulsions in relation to their preparation. K. V. Chibisov and N. V. Mukarav... *Trans. Kirov Photo Research Inst.* (Moscow) 3, 30-62 (1935). A study was made of the effect on the resolving power of the extent of the 2nd digestion, the concn. of the gelatin in emulsification, the extent of the 1st digestion, the rate of addn. of AgNO_3 , the amt. of AgI in the emulsions, the total concn. of the reagents, optical sensitizing, the addn. of yellow dye, and the mfrg. of emulsions. The rate of addn. and the amt. of AgI have a marked effect on the resolving power which increases from 32 to 60 for a series of emulsions of approx. the same speed as the AgI increases from 0 to 5%. The duration of ripening shows no effect in spite of its influence on speed and γ . The amt. of gelatin, the total concn. and the addn. of sensitizers are without marked effect. Small amounts of yellow dye do not increase the resolving power but with a concn. sufficient to produce strong absorption of blue light, the resolving power increases. Mixts. of emulsion show a resolution proportional to that of their components
C. F. K. Mees

ASA SEA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500045-6

PREGEL AND PREPREGEL PHASES											
Preparation of photographic emulsions. II. Emulsions without ammonia. N. V. Makarov and K. V. Chirkov. <i>Kino-Photo Inst., Moscow</i> 2, 70-92 (1934). Excess of KBr or NH ₄ Br has the following influence on γ : (1) For pure AgBr emulsions γ decreases, at first rapidly, later more slowly, with increasing excess of bromide. (2) In bromo iodide emulsions the value of γ may pass through a max with increasing excess. The value of γ in pure AgBr emulsions depends upon the increasing solv. of the AgBr and diminishes as a result of the degree of dispersion of the heavy phase. In bromo iodide emulsions this degree of dispersion depends upon the proportion of AgI present. The sensitivity is affected very greatly by the concn. of the free bromide during the 1st ripening, the relation of the sensitivity to the concn. passing through a max. The addn. of AgCl to a AgBr emulsion during the 1st ripening enables higher sensitivity to be obtained in the 2nd ripening, the use of 5% AgCl being effective. Emulsions containing Ag bromide halide and AgCl with excess of chloride in the 2nd ripening are valuable for pos. materials. The effect of the gelatin concn. on the pptn. of the heavy phase has little effect on the property of the emulsions. A suitable concn. is 1.2%. The concn. of the salts and Ag ₂ I during pptn. and ripening is of great importance. C. E. K. M.											
ASIN-SEA METALLURGICAL LITERATURE CLASSIFICATION											
SECOND HLP ONLY ONE											
1. IRON & STEEL	2. ALUMINUM & OTHER METALS	3. NON-METALS	4. METALLURGY	5. METAL CASTING	6. METAL FORMING	7. METAL THERMAL PROCESSING	8. METAL THERMODYNAMICS	9. METAL PHYSICS	10. METAL CHEMISTRY	11. METAL MECHANICS	12. METAL PROCESSING
IRON & STEEL	ALUMINUM & OTHER METALS	NON-METALS	METALLURGY	METAL CASTING	METAL FORMING	METAL THERMAL PROCESSING	METAL THERMODYNAMICS	METAL PHYSICS	METAL CHEMISTRY	METAL MECHANICS	METAL PROCESSING

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500045-6

CHARACTERISTICS AND PROPERTIES INDEX

Preparation of emulsions for optical sensitizing. K. V. Chubisov and N. V. Makarov. *Photo-Kino-Chem. Ind.* 1934, No. 2, 3-11.—The effect of variations in the type of emulsion, its formula and its ripening, on sensitizing with a series of dyes, is studied. With fine-grained emulsions optical sensitizers can increase the total effective sensitivity, this increase depending upon the distribution of the sensitizer between the emulsion grains and the gelatin. The presence of Ag^+ bromide ions in the emulsion lowers the sensitivity when acid dyes, such as erythrosin, are used but has little effect with other sensitizers. An increase in the iodide content is detrimental to color sensitizing NH_4 emulsions with erythrosin; with neutral emulsions it has little effect. On the whole, it is concluded that the chemical characteristics of an emulsion have only a small effect on its suitability for sensitizing, and the sensitivity obtained depends chiefly upon the size of the emulsion grain.

C. R. K. Mers

ASG-SLA METALLURGICAL LITERATURE CLASSIFICATION

SECOND SUBJECT

MAKAROV, N.V., Inzh.

Karamzit plant with a double-drum furnace. Str. 1mat. 36 no. 4
19-22 Ap 1964. (MIRA 17:5)

BERESTOV, A.V. (Head District Veterinary Doctor), BERESTOV, V.A. (Candidate of Veterinary Sciences), KLYAFISHEV, I.A., SHAKMAKOVA, V.I. and MAKAROV, N.V. (Veterinary Doctors), BARABOSHIN, S.A., BUCHINOV, I.N., LYAMIN, A.F., FEDOROV, Yu. I., and FILIMONOV, I. Ya. (Veterinary Medical Assistants, Ul'yanov Oblast', Terentul'sk District).

"Protein hydrolysates in dispesia in newborn calves..."
Veterinariya, vol. 39, no. 3, March 1962 pp. 71

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500045-6

MAKAROV, N.V.

Model form for making block foundations for contact system power line
poles. Rats. i izpbr. predl. v stroi. no.135:19-20 '56. (MLRA 9:9)
(Electric lines--Poles)

BEL'SKIY, V.I.; BORISOV, E.V.; VOLINTSEV, V.A.; GOYKOLOV, Ye.F.; ZHOVNI-
ROVSKIY, N.V.; ISSERS, A.Ye.; MAKAROV, N.S.; ROTHITSKIY, M.L.;
TEBEN'KOV, B.P.; TROITSKIY, V.A.; CHERNOV, A.V., inzh.; AGURIN,
A.P., nauchnyy red.; SOLODENNIKOV, L.D., nauchnyy red.; TOLKACHEV,
P.I., nauchnyy red.; KHLUDEYEVA, Ye.O., red.izd-va; EL'KINA, E.M.,
tekhn.red.

[Handbook on special operations; construction of industrial
furnaces] Spravochnik po spetsial'nym rabotam; sooruzhenie pro-
myshlennyykh pechei. Pod red. A.V.Chernova. Izd.3., ispr. i dop.
Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam,
1960. 694 p. (MIRA 13:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut
"Teploproyekt".
(Furnaces--Construction)

AREF'YEV, T.I.-- (continued). Part 1.

3. Moskovskaya sel'skokhozyaystvennaya akademiya im. K.A.Timiryazeva (for Vlasov).
4. Zaveduyushchiy otdelom ekonomiki organizatsii Nauchno-issledovatel'skogo instituta sadovodstva im. I.V.Michurina (for Dubrova).
5. Moskovskiy Gosudarstvennyy universitet im. M.V.Lomonosova (for Zal'tsman, Polovenko).
6. Zaveduyushchiy kafedroy organizatsii sel'skokhozyaystvennogo proizvodstva Leningradskogo sel'skokhozyaystvennogo instituta (for Kal'm).
7. Zaveduyushchiy otdelom ekonomiki Nauchno-issledovatel'skogo instituta ovozhchnogo khozyaystva (for Kostseletskiy).
8. Vsesoyuznyy nauchno-issledovatel'skiy institut pitsevodstva (for Krylov).
9. Moskovskiy ekonomiko-statisticheskiy institut (for Libkind).
10. Vsesoyuznyy sel'skokhozyaystvennyy institut zaochnogo obrazovaniya (for Makarov).
11. Zaveduyushchiy otdelom ekonomiki Krasnodarskogo nauchno-issledovatel'skogo instituta sel'skogo khozyaystva (for Oglebin).
12. Kafedra organizatsii sel'skokhozyaystvennogo proizvodstva Leningradskogo sel'skokhozyaystvennogo instituta (for Popov).
13. Zaveduyushchiy kafedroy Sovetskoy ekonomiki Vysshey partiynoy shkoly (for Sapil'nikov).
14. Voronezhskiy sel'skokhozyaystvennyy institut (for Tishchenko).
15. Leningradskiy sel'skokhozyaystvennyy institut (for Tyutin).
16. Direktor Severo-Kavkazskogo filiala Vsesoyuznogo nauchno-issledovatel'skogo instituta ekonomiki sel'skogo khozyaystva (for Tanyushkin).

(Agriculture--Economic aspects)

AREF'YEV, T. I., kand. ekon. nauk; BRASLAVETS, M. Ye., prof., doktor ekon. nauk; BROZGUL', M. M.; VLASOV, N. S., prof., doktor ekon. nauk; DUBROVA, P. F., doktor ekon. nauk; YESAULOV, P. A., kand. sel'skhoz. nauk; ZAL'TSMAN, L. M., prof., doktor sel'skhoz. nauk; KAL'M, P. A., dotsent, kandidat sel'skhoz. nauk; KOSTSELETSKIY, N. A., kand. ekon. nauk; KRYLOV, V. S., kand. sel'skhoz. nauk; LIBKIND, A. S., dots., kand. ekon. nauk; MAKAROV, N. P., prof., doktor ekon. nauk; OGLOBLIN, Ye. S., kand. sel'skhoz. nauk; FOLOVENKO, S. I., kand. ekon. nauk; POPOV, S. A., dots., kand. ekon. nauk; SAPIL'NIKOV, N. G., doktor ekon. nauk; TISHCHENKO, G. A., prof., kand. ekon. nauk; TYUTIN, V. A., prof., doktor ekon. nauk; YANYUSHKIN, M. F., kand. ekon. nauk; PYLAYEVA, A. P., red.; FREYDMAN, S. M., red.; SOKOLOVA, N. N., tekhn. red.

[Organization of socialist agricultural enterprises] Organizatsiya sotsialisticheskikh sel'skokhoziaistvennykh predpriyatiy; kurs lektsii. Moskva, Sel'skhozizdat, 1963. 662 p.
(MIRA 16:8)

1. Zaveduyushchiy otdelom ekonomiki Vsesoyuznogo nauchno-issledovatel'skogo instituta sakharnoy sverkly (for Aref'yev).
2. Odesskiy sel'skokhozyaystvennyy institut (for Braslavets).
(Continued on next card)

ANAN'YEVA, L.F.; KRASNOV, V.D.; ALTUNINA, T.M.; MAKAROV, N.P., doktor
ekon. nauk, prof., otd. red.

[Ways of developing agriculture in the Altai; problems in the
distribution and specialization of collective farm production]
Puti razvitiia sel'skogo khoziaistva Altaia; voprosy razme-
shcheniia i spetsializatsii kolkhoznogo proizvodstva. Moskva,
Izd-vo Akad. nauk SSSR, 1962. 214 p. (MIRA 16:2)

1. Akademiya nauk SSSR. Sovet po izucheniyu proizvoditel'nykh
sil (Altai Territory--Agriculture--Economic aspects)

MAKAROV, NIKOLAY Pavlovich

MAKAROV, Nikolay Pavlovich

[Economics and organization of agriculture in the Donets Basin]
Ekonomika i organizatsiya sel'skogo khoziaistva Donbas'a. Moskva,
Gos.izd-vo selkhoz. lit-ry, 1957. 389 p.
(MIRA 11:3)
(Donets Basin--Agriculture)

Name: MAKAROV, Nikolay Pavlovich

Dissertation: Basic problems of economics and organization of
Socialist Agriculture in the Donets Basin

Degree: Doc Economical Sci

Affiliation: Voronozh Agr Inst

Defense Date, Place: 28 May 56, Council of Dept of Social Sci, Acad
Sci UkrSSR

Certification Date: 26 Mar 57

Source: BNVO 14/57

MAKAROV, NIKOLAI PAVLOVICH

MAKAROV, NIKOLAI PAVLOVICH. Organizatsiia sel'skogo khoziaistva. Trudy nauchno-issledovatel'skogo instituta s.-kh. ekonomii. Moskva, Ekonomicheskaiia zhizn', 1926. xix, 565 p. "Kratkii ukazatel' russkoi literatury": p. 562-565. CSt-H NN
DLC: Unclass.

SO: LC, Soviet Geography, Part I, 1951, Uncl.

BROVAR, V.V.; YEREMEYEV, V.F.; MAKAROV, N.P.; PELLINEN, L.P.; SHIMBIREV, B.P.;
YURKINA, M.I.

Determining the external gravitational field and the figure of the
earth. Geod. i kart. no.10:74-76 O '63. (MIRA 16:12)

BELYI, M.I.; MAKAROV, N.N.

Electric device for automatic recording of functional relationship
curves. Priborostroenie no.11:9-11 N '61. (MIRA 14:10)
(Magnetic recorders and recording)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500045-6

BELYY, M.I.; MAKAROV, N.P.

Ferrodynamic rectangular coordinate vector-measuring device.
Izm.tekh. no.11:43-44 N '61. (MIRA 14:11)
(Magnetic instruments)

BROVAR, Vsevolod Vladimirovich; MAGNITSKIY, Vladimir Aleksandrovich;
SHIMBIREV, Boris Pavlovich; YURKINA, M.I., retsenzent;
MAKAROV, N.P., retsenzent; VIROVTS, A.M., retsenzent;
VASIL'YEVA, V.I., red. izd-va; SUNCUROV, V.S., tekhn. red.

[Theory of the earth's figure] Teoriia figury Zemli. Pod
obshchey red. V.A.Magnitskogo. Izd-vo geodez. lit-ry,
1961. 256 p. (MIRA 15:3)
(Earth--Figure) (Gravity)

YURKINA, M.I.; MAKAROV, N.P.; YEREMEYEV, V.F.

Present state of theories applied to the study of the earth's
physical surface. Trudy TENTIGAIK no.139:45-59 '60.
(MIRA 14:7)

(Earth--Figure)

SHOKIN, Panteleymon Fedorovich; BULANZHE, Yu.D., ratsenzent; LOZINSKAYA, A.M., ratsenzent; VESLOV, K.Ye., ratsenzent; KHEYFETS, M.Ye., ratsenzent; MAKAROV, N.P., ratsenzent; MAKAROV, N.P., ratsenzent; ALEKSANDROV, S.Ye., red.; VASIL'YEVA, V.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Gravimetry; apparatus and methods for gravity measurement.]
Gravimetriia; pribory i metody izmereniia sily tiazhesti. Moskva,
Izd-vo geodez.lit-ry, 1960. (MIRA 13:5)
(Gravity)

SOV/6-59-4-16/20

On a Result of the 11th General Assembly of the International Union of Geodesy and Geophysics in Toronto

the paper by A. A. Izotov (Ref 3), the Assembly did not recognize the importance of the report by M. S. Molodenskiy though it had been submitted to it. In this connection, the fault in Izotov's paper is pointed out. He asserts that Graf-Hunter is in agreement with Molodenskiy's method but suggests to solve the problem in a different way. Also the assertion by Izotov (Geodeziya i kartografiya, 1958, Nr 7) that Molodenskiy suggests a formula of the Stokes type generalized by him is not correct. The known Stokes' formula is obtained as a special case of Molodenskiy's theory. Finally, the authors of the present paper express their astonishment at the fact that the Assembly approved the method by Graf-Hunter as corresponding to the requirements of Stokes' theorem. There are 4 references, 2 of which are Soviet.

Card 3/3

SOV/6-59-4-16/20

On a Result of the 11th General Assembly of the International Union of Geodesy and Geophysics in Toronto

the use of gravimetric surveys of such accuracy and density, and of the theory by Molodenskiy, the deflections from the vertical, for instance, can be determined with an accuracy of up to 0". According to the theory by Stokes such accuracy can only be attained by carrying out the present gravimetric surveys not on the earth's surface but on a regulated geoid which is, however, physically impossible. As, however, the elements of the external gravitation field, and particularly the deflections from the vertical are necessary to solve different geodetic tasks, attempts were carried out abroad to improve the old traditional way basing on Stokes' theory in order that the accuracy of the conclusions should correspond to the accuracy of the survey. Such an attempt is represented by a suggestion made by Graf Hurter at the 11th Assembly of the International Union of Geodesy and Geophysics in September 1957. He suggested to consider the gravitational anomalies to be measured in points on the physical earth's surface. Graf Hurter did, however, not consider the changes in the deflections from the vertical, nor did he put forward methods of considering these changes. As can be seen from

Card 2/3

3(4)

AUTHORS: Yurkina, N. I., Candidate of Technical Sciences,
Yeremeyev, V. F., Candidate of Technical Sciences,
Makarov, N. P., Candidate of Physical and Mathematical Sciences

SOV/6-59-4-16/20

TITLE: On a Result of the 11th General Assembly of the International
Union of Geodesy and Geophysics in Toronto (Ob odnom itoge
XI General'noy assamblei MGGS v Toronto)

PERIODICAL: Geodeziya i kartografiya, 1959, Nr 4, pp 59-62 (USSR)

ABSTRACT: At the meeting of the International Gravimetric Commission
in Paris in 1956, M. S. Molodenskiy delivered a short report
on his method of determining the figure of the real earth.
Special attention was then paid to this communication. It
eliminated the need of a regulation. In this case, the accuracy
of determining the figure and dimensions of the earth only
depends on the density and completeness of the gravimetric,
astronomic and geodetic surveys on the physical earth's sur-
face. The only condition required for Molodenskiy's method
is that the earth's surface has no acute angles, i.e. that
a certain tangential surface can be laid on each point of
the same. Many countries have already provided their areas
with a gravimetric survey with one point to every 10 km². With

MAKAROV, N.N.; SUPRYCHEV, V.A.

Xenogenetic garnet (pyrope-almandine) from igneous rocks in
the Crimea. Dokl. AN SSSR 157 no. 5:1125-1128 Ag '64.
(MIRA 17:9)

I. Institut mineral'nykh resursov, Simferopol'. Predstavлено
akademikom V.S. Sobolevym.

MAKAROV, N.N.; SUPRYCHEV, V.A.

Epimagmatic montmorillonite from tuff breccia of paleoliparite in
Karadag (Crimea). Dokl. AN SSSR 151 no.1:181-184 J1 '63.
(MIRA 16:9)

1. Institut mineral'nykh resursov AN UkrSSR. Predstavлено
академиком Н.М.Стрекховым.

(Karadag Mountain--Montmorillonite) (Breccia)

LEBEDINSKIY, Vladimir Ivanovich; MAKAROV, Nikolay Nikolayevich; YURK,
Yu.Yu., doktor geol.-miner. nauk, otv. red.; CHEKHOVICH, N.Ya.,
red. izd-va; RAKHLINA, N.P., tekhn. red.

[Volcanism of the Crimean Mountains] Vulkanizm Gornogo Kryma.
Kiev, Izd-vo Akad. nauk USSR, 1962. 206 p. (MIRA 15:12)
(Crimean Mountains--Volcanoes)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500045-6

MAKAROV, Nikolay Nikolayevich; ZRYAKOVSKIY, Matišlav Sergeyevich

[On the wide open spaces of Buryat Mongolia] Na prostorakh
Burjati. Moskva, Sovetskaja Rossiia, 1959. 238 p.

(MIRA 13:8)
(Buryat-Mongolia)

MAKAROV, Nikolay Nikolayevich; VYAZOV, Ye.I., red.; VILENSKAYA, E.N.,
tekhn.red.

[On the banks of the Pechora; travel notes] Na beregakh Pechory;
putevye zametki. Moskva, Gos.izd-vo geogr.lit-ry, 1959. 107 p.
(MIRA 12:5)
(Pechora Valley--Description and travel)

MAKAROV, NIKOLAY NIKOLAEVICH

ZRYAKOVSKIY, Matislav Sergeyevich; MAKAROV, Nikolay Nikolayevich; KUMKES, S.N.,
red.; VILENSKAYA, E.N., tekhn.red.

[Secret of Yakut diamonds] Taina iakutskikh almazov. Moskva, Gos.
izd-vo geogr. lit-ry, 1958. 108 p. (MIRA 11:5)
(Yakutia--Diamonds)

LEBEDINSKIY, V.I.; MAKAROV, N.N.

Geological position and genesis of the Orlik Massif of pink granites
(Dnieper Valley, Ukrainian SSR). Dokl.AN SSSR 107 no.1:141-144 Mr '56.
(MLRA 9:7)

1.Dnepropetrovskiy gosudarstvennyy universitet imeni 300-letiya
vostochedineniya Ukrayiny s Rossiyey.
(Dnieper Valley--Geology, Structural)

SHCHUPAK, P.I., inzh.; MAKAROV, N.N., inzh.

Proving ground for determining the traction and coupling
indices of tractors. Trakt. i sel'khozmash. no.10, 16-17
O '64. (MIRA 17-12)

1. Odesskaya NIIS Gosudarstvennogo soyuznogo nauchno-issledovani-
tel'skogo traktornogo instituta.

DMITRICHENKO, S.S. kand. tekhn. nauk; KUGEL', R.V., kand. tekhn. nauk;
MAKAROV, N.N., inzh.; NEYCHENKO, V.G., inzh.

Accelerated testing of the strength of tractors on a proving
ground. Trakt. i sel'khozmash. 33 no.7:1-5 J1 '63.

(MIRA 16:11)

1. Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy
traktornyy institut.

MAKAROV, N.N.

YEFIMOVA, A.A., kand.med.nauk; MAKAROV, N.N.; VASIL'YEV, A.V., vrach; YARINA,
L.N., vrach; POLIKARPOVA, M.G., vrach-kosmetolog; POPOV, I.P., kand.
biol.nauk; SUBBOTINA, G.I., vrach

Advice from "Zdorov'e". Zdorov'e 3 no.12:28-29 D '57. (MIRA 11:1)
(HYGIENE)

MAKAROV, N.M., inzh.

Basic requirements of the loading and unloading equipment used in
grain transportation. Trudy MIEI № 47:102-110 '61.

(MIRA 14:11)

(Grain--Transportation--Equipment and supplies)

MAKAROV, N.M., inzh.

Protective network using a.c. with commercial frequency. Elek.
sta.-31 no.12:81 D '60. (MIRA 14:5)
(Electric protection)

KOTLYAKOV, V.M.; KUZNETSOV, M.A.; MAKAROV, N.M.; AVSYUK, G.A., otv.red.;
OGANOVSKIY, P.N., red.

[Second Antarctic Continental Expedition; snow cover] Vtoraia
Kontinental'naia Antarkticheskaiia ekspeditsiia; snezhnyi pokrov.
Moskva. (Materialy gliatsiologicheskikh issledovanii). No.3.
[Laboratory studies in Mirnyy; station observations at Pionerskaya]
Laboratornye issledovaniia v Mirnom; statsionarnye issledovaniia
na Pionerskoi. 1960. 150 p.

(MIRA 14:3)

1. Akademiya nauk SSSR. Institut geografii.
(Antarctic regions--Snow)

MAKAROV, N.M.

Colored snow flakes. Inform.biul.Sov.antark.eksp. no.13:48
'59. (MIRA 13:8)
(Antarctic regions--Snow)

MAKAROV, N.M.

Effect of chronic gamma irradiation on peas and vetches. Radio-
biologija 5 no.1:152-155 '65. (MIRA 18:3)

1. Institut biologii Ural'skogo filiala AN SSSR, Sverdlovsk.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500045-6

PORYADKOVA, N.A.; MAKAROV, N.M.; KULIKOV, N.V.

Experiments in radio stimulation of cultivated plants. Trudy Inst.
biol. UFAN SSSR no. 13:19-33 '60. (MIRA 14:1)
(Plants, Effect of radiation on)

COUNTRY	:	USSR
CATEGORY	:	Plant Physiology. Water Regimen.
ABS. JOUR.	:	RZhBiol., No. 6 1959, No. 24567
AUTHOR	:	<u>Mukarov, N.M.</u>
INST.	:	
TITLE	:	Movement of Hygroscopic Water In Wood In the Process of Water Absorption
ORIG. PUB.	:	Nauchn. dokl. vysh. shkoli, Lescizh. delo, 1958, No. 2, 186-192
ABSTRACT	:	No abstract.

2179

CARD: 1/1

TIMOFEEV-RESOVSKIY, N.V., PORYADKOVA, N.A., MAKAROV, N.M., PRIBORAZHEDINSKAYA,
Ye.I.

Radiostimulation of plants. Pt.1: Effect of weak doses of ionizing
radiation on plant growth and development. Trudy Inst.biol.UFAN
SSSR no.9:129-201 '57
(PLANTS, EFFECT OF RADIATION ON) (MIRA 11:9)

MAKAROV, N.K.

Increasing labor productivity. Put' i put.khoz. 7 no.2:7 '63.
(MIRA 16:2)

1. Nachal'nik rel'sosvarochnogo poyezda, st. Kalikino, Gor'kovskoy
dorogi.

(Railroads—Rails—Welding)

MAKAROV, N.K.

~~Construction of combined bakeries and flour mills. Khleb. i kond.~~
~~prom. l no.9:30 S '57.~~ (MIRA 10:11)

1. Chernigovskiy khlebokombinat.
(Bakers and bakeries) (Flour mills)

MAKAROV, N.I.; SKLYAROV, V.Ya.; ALIKPEROVA, Sh.M.; NADZHAROV, A.F.;
DZEBISASHVILI, Yu.I.; MNATSAKANYAN, A.G.; ODINOCHENKO, O.N.;
AZUGAROVA, M.Kh.; ZYUZIN, A.S.

Morbidity from anthrax in animals and humans in Ciscaucasia and
Transcaucasis in 1960-1961: authors' abstract. Zhur. mikrobiol.
epid. i immun. 40 no.5:112-113 My '63. (MIRA 17:6)

1. Iz Nauchno-issledovatel'skogo protivochumnogo instituta
Kavkaza i Zakavkazya, Azerbaydzhanskoy, Armyanskoy, Gruzinskoy,
Severo-Osetinskoy, Checheno-Ingushskoy respublikanskikh sanitarno-
epidemiologicheskikh stantsiy i Azerbaydzhanskoy protivochumnoy
stantsii.

MAKAROV, N.I.; AKHUNDOV, M.G.; SAYAMOV, R.M. (Stavropol' krayevoy)

Prevention of infectious diseases in the Democratic Republic
of Vietnam. Sov. zdrav. 19 no. 4:76-82 '60. (MIRA 13:10)
(VIETNAM--COMMUNICABLE DISEASES)

MAKAROV, N.I.

On the history of the development of live vaccine against tularemia
by N.A.Gaiskii. Izv. Irk. gos. nauch.-issl. protivochum. inst.
21:374-378 '59. (MIRA 14:1)
(TULAREMIA) (VACCINES)

MAKAROV, N. I., LENCHITSKIY, A. Z., AKHIEZOV, M. G., HAMED-ZADE, U. A.,
KARPUSHEVA, V. M:

"The plague with a natural focus in Azerbaijan and its preventive
treatment." p. 247

Desyatoye Soveshchaniye po parazitologicheskim problemam i
prirodnoochagovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference
on Parasitological Problems and Diseases with Natural Foci 22-29
October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences
USSR and Academy of Sciences USSR, No. 1 254pp.

Azerbaijhan Antiplague Station/Baku and the
Antiplague Inst. of the Caucasus and Transcaucasus/Stavropol'

USSR / Microbiology. Microbes, Pathogenic to Man and
Animals. Bacteria. Pasteurellae.

F

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 19552

Author : Makarova, Ye. P.; Makarov, N. I.
Inst : Irkutsk Scientific-Research Antiplague
Institute of Siberia and the Far East
Title : Characteristics of Plague Causal Agent
Strains Obtained from Marmots in Tien-
Shang

Orig Pub : Izv. Irkutskogo n.-i. protivochumn. in-ta
Sibiri i Dal'n. Vost., 1957, 15, 109-112

Abstract : The biochemical cultural characteristics
of the plague bacilli strains, obtained in
Kirgiziya from marmots, spontaneously
diseased by the plague, and their ectopara-
sites, were studied. According to

Card 1/2

USSR / Microbiology. Microbes, Pathogenic to Man and
Animals. Bacteria. Pasteurellae.

F

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 19553

East does not justify itself. -- G. Ye.
Frumkina

Card 3/3

USSR / Microbiology. Microbes, Pathogenic to Man and
Animals. Bacteria. Pasteurellae.

F

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 19553

agar (0.15-0.25%). In 136 cases (96%), a culture of the plague bacilli from the organs and tissues or blood was obtained; only in 4 cases, in the absence of pathologic-anatomic changes at dissection, was it possible to obtain them in both media. The authors believe that the semiliquid agar permits the isolation of plague microbes in those cases where their isolation in the usual agar with Fields digestant was not successful. It is pointed out in the remarks of the editorial office that the practice of applying semiliquid agar under the conditions of Siberia and the Far

Card 2/3

USSR / Microbiology. Microbes, Pathogenic to Man and
Animals. Bacteria. Pasteurellae.

F

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 19553

Author : Makarova, Ye. P.; Makarov, N. I.
Inst : Irkutsk Scientific-Research Antiplague
Institute of Siberia and the Far East
Title : Problem of the Disseminating Capacity of
the Plague Microbe, Obtained from the
Organs of Tien-Shang Marmots

Orig Pub : Izv. Irkutskogo n.-i. protivochumn. in-ta
Sibiri i Dal'n. Vost., 1957, 15, 103-107

Abstract : Blood, organs and tissues of 144 Tien-
Shang marmots, who had died from experimental
plague, were strown over agar with Fields
digestant and over semiliquid Klodnitsskiy

Card 1/3

MAKAROV, N.I.; SHVARTS, Ye.A.; MAKAROVA, Ye.P.

Ectoparasites of the marmot (*Marmota baibacina*) and their significance as plague carriers. Izv. Irk.gos.nauch.-issl.protivochum.inst. 15:311-318 '57. (MIRA 13:7)

(PARASITES--MARMOTS) (PLAQUE)
(INSECTS AS CARRIERS OF DISEASE)

MAKAROV, N.I.; MAKAROVA, Ye.P.

Role of the marmot in the preservation of plague infection during
the interepizootic season. Izv. Irk.gos.nauch.-issl.protivochum.
inst. 15:83-87 '57. (MIRA 13:7)
(MARMOTS--DISEASES AND PESTS) (PLAQUE)

MAKAROV, N. I., BORODIN, V. P., PETROV, V. G., OLSUF'YEV, N. G., KUCHERUK, V. V., and
SELYANIN, YE. P.

"Concerning the Structure of Natural Foci of Tularemia of the River-bottom Type." Proceedings of Inst. Epidem. and Microbiol im. Gamaleya 1954-56.

Division of Parasitology and Medical Zoology, Pavlovskiy, Yevgeniy Nikonorovich, Active Member of Academy of Medical Sciences, USSR, head. Inst. Epidem and Microbiol. im. Gamaleya AMS USSR.

SO: Sum 1186, 11 Jan 57.

MAKAROV, N. N.; MAKAROVA, Ye. P.; BAGAYEVA, V. T.

Seasonal and age susceptibility of the lesser suslik (Citellus
pygmaeus Pall.) to tularemia infection. Zool. zhur. 34 no. 3:
652-657 My-Je '55. (MLRA 8:8)

1. Stalingradskaya stantsiya Ministerstva zdravookhraneniya SSSR
(Tularemia) (Susliks--Diseases)

MAKAROV, N.I.

USSR/Medicine - Tularemia, Epidemiology

FD-2594

Card 1/1 Pub. 148 - 5/25

Author : Olsuf'yev, N. G.; Kucheruk, V. V.; *Makarov, N. I.; *Borodin, V. P.;
Petrov, V. G.; and Selyanin, Ye. P.

Title : The structure of a natural reservoir of river valley type tularemia

Periodical : Zhur. mikro. epid. i immun. 4, 27-31, Apr 1955

Abstract : The results of a three year study of the ecological relationships between the rodents and insects which act as hosts and vectors of Pasteurella tularensis in an unnamed river valley in the USSR are given. Epizootic and epidemiological data reveal the connections between the yearly flooding of the valley and outbreaks of tularemia among its animal and human inhabitants. Mosquitoes, gnats, and horse-flies act as mechanical vectors. The ticks, Dermacentor marginatus and Rhipicephalus rossicus, maintain the infection during the interepidemic period and constantly transmit it to the water rats, Arvicola terrestris, and other mouse-like rodents. The names of the 12 scientists who carried out the study are listed. No references are cited.

Institution : Institute of Epidemiology and Microbiology imeni Gamaleya (Director -
G. V. Vygodchikov); Stalingrad Sanitary-Epidemiological Station
(*Head - Cand Med Sci N. I. Makarov); Stalingradskaya Oblast
Anti-Tularemia Station (*Head Physician - V. P. Borodin)

Submitted : December 31, 1954

VILKOV, I.M.; MAKAROV, R.A.

Study of the information of recommendations of economists.
Sborn. trude. Naukova, no. 5, 1963, p. 102.

MAKAROV, N.I., inzh.

Determination of the most efficient distance between sidings.
Shakht. stroi. 7 no.12:18-19 D'63. (MIRA 17:5)

1. Dal'nevostochnyy politekhnicheskiy institut imeni
V.V. Kuybysheva.

MAKAROV, N.I., inzh.

Selection of the diameter of boreholes. Izv. vys. ucheb. zav.;
gor. zhur. 6 no.6:84-87 '63. (MIRA 16:8)

1. Dal'nevostochnyy politekhnicheskiy institut imeni Kuybysheva.
Rekomendovana kafedroy burovzryvnogo dela.
(Boring) (Blasting)

MAKAROV, N.I., gorn.inzh.; IVANOVSKIJ, I.G., gorn.inzh.

Hydraulic press for bending rails. Gor.zhur. no.6:75 Je '60.
(VIA 11:2)
1. Dal'nevostochnyy politekhnicheskiy institut.
(Hydraulic processes)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500045-6

VORONKOV, A.V.; MAKAROV, N.I.; SVERDLOV, N.B.; FILIMONOV, I.N.

Engineering equipment of the new buildings of Moscow State University.
Gor.khoz.Mosk. vol.27 no.9:11-16 S '53.
(MIRA 6:10)
(Moscow University)

VORONKOV, A.V.; MAKAROV, N.I.

Victory of Soviet building engineers. Vest.Mosk.un. 8 No.10:5-12 0 '53.
(MLRA 7:1)

1. Nachal'nik stroitel'stva (for Voronkov). 2. Zamestitel' nachal'nika
tekhnicheskogo otdela stroitel'stva (for Makarov).
(Moscow university--Buildings)

MAKAROV, N. I.

USSR/Scientific Organization - Moscow University Oct 53

"A Victory of Soviet Constructors - the New Buildings of Moscow State University," A.Y. Voronkov, Chief of Construction, and N.I. Makarov, Asst. Chief of Tech Dept of Construction

Vest Mos Univ, Ser Fizikomat i Yest Nauk, No 7,
pp 5-12

State that the high 32-story 'Glavnoye Zdaniye Universita,' (Main Building of the University) is the center of future construction to rise in the new southwest rayon of Moscow, where two million m^2 of living space will be constructed by 1960.

273T98

MAKAROV, N. I.

33096

Zemlyanye Raboty Na Stroitel, Stvo Moskovskogo Gosudarstvennogo Universiteta.
Mekhanizatsiya Trudoemkikh i Tyazhelykh Rabot, 1949, No 10, c. 5-9.

SO: Letopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

L 05829-67

ACC NR: AP6027952

3
respect to radius in a single-layer aluminum plate and in two-layer plates with an upper aluminum layer and a lower silicon layer. The temperature was calculated for the moment corresponding to the end of pulse action (pulse duration $8 \cdot 10^{-3}$ sec). The plates were assumed to have dimensions of $r_0=1$ cm, $h=0.02$ cm and $l=0.3$ cm. The calculations of temperature distribution for values of F_0 at which the temperature on the surface in the center of the plates is less than the boiling temperature of aluminum (1800°C) give $0.39 \cdot 10^6$ cal/cm²·sec for a single-layered plate and $0.29 \cdot 10^6$ cal/cm²·sec for a two-layered plate. Isotherms at 660°C show a melting depth in the upper layer of the two-layered plate considerably greater than that for a single-layered plate in spite of the fact that F_0 is greater for the single-layered plate. Orig. art. has: 3 figures, 39 formulas.

13/
SUB CODE: 20/ SUBM DATE: 13Apr65/ ORIG REF: 003

bimetals ¹⁸

Card 2/2 egr

L 05829-67 EWT(d)/EWT(m)/EWP(w)/EWP(v)/EWP(t)/ETI/EWP(k) IJP(c) JD/HM/EM

ACC NR: AP6027952 SOURCE CODE: UR/0020/66/169/003/0565/0568

AUTHOR: Rykalin, N. N. (Corresponding member AN SSSR); Uglov, A. A.; Makarov, N. I.

ORG: Institute of Metallurgy im. A. A. Baykov (Institut metallurgii)

TITLE: Heating of a two-layered plate during welding by laser beam

SOURCE: AN SSSR. Doklady, v. 169, no. 3, 1966, 565-568

TOPIC TAGS: welding, laser application, temperature distribution

ABSTRACT: The authors consider the problem of temperature distribution in a two-layered plate during welding by laser beam. A solution is found for the system of equations

$$\frac{1}{a_1} \frac{\partial t_1}{\partial \tau} = \frac{\partial^2 t_1}{\partial r^2} + \frac{1}{r} \frac{\partial t_1}{\partial r} + \frac{\partial^2 t_1}{\partial z^2}$$

in the region $\tau > 0, r_0 \geq r \geq 0, h \geq z \geq 0$;

$$\frac{1}{a_2} \frac{\partial t_2}{\partial \tau} = \frac{\partial^2 t_2}{\partial r^2} + \frac{1}{r} \frac{\partial t_2}{\partial r} + \frac{\partial^2 t_2}{\partial z^2}$$

in the region $\tau > 0, r_0 \geq r \geq 0, l \geq z \geq h$. The boundary conditions and initial conditions are given and the problem is solved by using Laplace transforms. Graphs are given showing the results of numerical calculations for temperature distribution with

MAKAROV, N.I., inzh.

Graphoanalytical method of calculating basic parameters for
the mining cycle. Izv. vys.uchev.zav.:gor.zhur. 7 no. 4:
54-60 '64. (MIRA 17:7)

1. Dal'nevostochnyy politekhnicheskiy institut imeni V.V.
Kuybysheva. Rekomendovana kafedroy razrabotk mestorozhdeniy
poleznykh iskopayemykh.

MAKAROV, N.I., inzh.

Relation between the rate of drilling with rock drills and
the depth of the boreholes and the shape and diameter of
the bit. Nauch. scob. IGD 18:80-87 '63. (MIRA 16:11)

MAKAROV, N.I.

Wet method of retrieving dust in kilns. Tsement 30 no. 2;
19-20 Mr-Ap '64. (MIRA 17:5)

1. Glavnnyy inzh. Nizhne-Tagil'skogo tsementno-shifernogo
zavoda.

MAKAROV, N.I.

Special problems in operating open kilns in winter. TSegment 26
no.5:27 S-O '60. (MIRA 13:10)
(Nizhniy Tagil--Cement kilns--Cold weather operation)

MAKAROV, N.I., inzh.

Effective diameter of blast holes. Shakht. stroi. 5 no.7:12-14
Jl '61. (MIRA 15:6)

1. Dal'nevostochnyy politekhnicheskiy institut.
(Blasting) (Boring)

ZAV'YALOV, L.N., kand. tekhn. nauk; MAKAROV, N.I., inzh.

Organizing underground laboratory work, Izv. vys. ucheb. zav.;
gor. zhur. no.8:139-141 '58. (MIRA 12:5)

L.Dal'nevostochnyy politekhnicheskiy institut.
(Mining research)

PAL'CHUK, N.Yu., Eng.; MAKAROV, N.I., Eng.; MAKEYEV, M.G., Eng.; BRODOVICH, N.V., Eng.; LIBER, M. I., Eng.

Electric Welding

Welding with electrode cluster. Avtog. delo, 23, No. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1957, Uncl.
2

KHOKHLACHEV, P.V.; MAKAROV, N.F.; LISOVICH, G.M.; TERESHCHENKO, N.I.,
red.

[The journal-voucher accounting system on collective farms]
Zhurnal'no-ordernaia forma ucheta v kolkhozakh. Moskva,
Kolos, 1964. 142 p. (MIRA 17:12)

EAKAROV, Nikolay Fedorovich, kand. oken. nauk; UL'YANOV, Ivan Petrovich; LUKINA, T.A., red.

[Livestock farm on the open fields] Forma na zoolitvennykh kormakh. Moscow, Izd-vo "Zemstvo," 1964. 31 p. (Kovoe v zhizni, nauke, tekhnike. V Serija: Sel'skoe khoziaistvo, no.17) (Il'ja 17:16)

1,4-Oxyketones and 1,4-Diketones in the Catalytic 79-28-4-8/60
Synthesis of Δ^1 -Pyrroline-, Δ^2 -Dihydro-Thiophene Homologs
and of the Pyrrole and Thyophene Homologs Respectively

be used successfully in the catalytic synthesis of 5-membered nitrogen- and sulfur containing heterocyclic compounds. The joint catalytic dehydration of γ -aceto-propyl alcohol with ammonia, aniline, and hydrogen sulfide in the presence of aluminum oxide at 325-330° represents a good method for the corresponding synthesis of 2-methyl- Δ^1 -pyrroline, 1-phenyl-2-methyl- Δ^1 -pyrroline, and 2-methyl- Δ^2 -dihydro thiophene. In the case of joint catalytic dehydration of acetonylacetone with ammonia and hydrogen sulfide at 325° in the presence of aluminum oxide the corresponding 2,5-dimethyl pyrrole, 1-phenyl-2,5-dimethyl pyrrole, and 2,5-dimethyl thiophene form. There are 3 tables and 28 references, 17 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University)

SUBMITTED: March 20, 1957

Card 3/3

1,4-Oxyketones and 1,4-Diketones in the Catalytic 79-28-4-8/60
Synthesis of Δ^2 -Pyrroline-, Δ^2 -Dihydro-Thiophene Homologs and of
the Pyrrole and Thiophene Homologs Respectively

with hydrogen sulfide in the enol form like unsaturated diols with one and correspondingly hydroxyl groups with the carbon atoms of double bond. In the present work the authors used γ -acetopropyl alcohol as representative of the 1,4-oxyketones. It reacted like pentene-2-diol-2,5 in the enol form under the action of ammonia in the presence of aluminum oxide at increased temperature, and produced the 2-methyl- Δ^2 -pyrroline (50%) under the action of aniline-1-phenyl-2-methyl- Δ^2 -pyrroline (58%) and under the action of hydrogen sulfide 2-methyl- Δ^2 -dihydro thiophene (38,5%) (Ref. 9). It was found that in the reactions described the precipitation of water and the closing of the nitrogen or sulfur containing cycles takes place directly by means of joint catalytic dehydration of ammonia, the amines or of hydrogen sulfide as well as of the 1,4-diols and also of the 1,4-oxyketones or 1,4-diketones in their enol form. Consequently the formation of 2-methyl- Δ^2 -dihydro-furan is no obligatory intermediate stage in catalytic synthesis of 2-methyl- Δ^2 -pyrroline from γ -acetopropyl alcohol and ammonia. Conclusion: 1,4-oxyketones and 1,4-diketones can

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AUTHORS: Yuryev, Yu. K., Makarov, N. B. 79-28-4-2/65

TITLE: 1,4-Oxyketones and 1,4-Diketones in the Catalytic Synthesis
of Δ^1 -Pyrroline-, Δ^2 -Dihydro-Thiophene Homologs and of the
Pyrrrole and Thiophene Homologs Respectively (1,4-oksike=tony i 1,4-diketony v kataliticheskem sinteze gomologov
 Δ^1 -pirrolina, Δ^2 -digidrotiofena i sootvetstvenno gomologov
pirrola i tiofena)

PERIODICAL: Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr 4,
pp. 885-891 (USSR)

ABSTRACT: As can be seen from previous papers (Refs. 1-8) saturated
as well as unsaturated 1,4-diols are introduced in the ca=
talytic synthesis of 5-membered heterocycles. On this occa=
sion the double or triple binding had the central position
in the case of the latter, and it was between the second
and the third carbon atoms in this system of four carbon
atoms. In this connection it was of interest to introduce
the most simple 1,4-ketone alcohol as well as 1,4-diketone
into the described synthesis. These are bound to react in
joint catalytic dehydration with ammonia, with amines or

L 27722-66

ACC NR: AP6000142

Speed (free)	9.3 knots
Speed (with 1000 kg on tow-hook)	7.2 knots
Tow-pull (mooring)	2000 kg
Operating radius (full speed)	270 miles
Operating radius (at 6 knots)	650 miles
Crew	3 men
Complement (normal)	20 men
Max. complement (at wind force 3)	50 men
Load (normal)	2 ton
Max. load (at wind force 3)	4 ton
Two diesels, each	55 hp at 1750 rpm
Two d-c generators, each	1500 w, 24 v
Two storage batteries, each	180 amp-hr, 24 v

The motorboat design was illustrated by the side, top and sectional views. Two photos show the motorboat put to the navigation test in the sea. The tow-speed characteristics were plotted for different barge-tonnages taken in tow. The series production of motorboats will start in 1966. Orig. art. has: 4 figures.

SUB CODE: 13 / SUEM DATE: None / ORIG REF: 000 / OTH REF: 000

Card 2/2

L 27722-66

ACC NR: AP6000142 (N)

SOURCE CODE: UR/0229/65/000/008/0066/0069

13
B

AUTHOR: Makarov, N. A.

ORG: None

TITLE: Motorboat for salvage ships

SOURCE: Sudostroyeniye, no. 8, 1965, 66-69

TOPIC TAGS: shipbuilding engineering, marine equipment

ABSTRACT: A description of the motorboat "Burevestnik" is presented. It was designed to be carried in parent salvage ships. The essential data on this motorboat are as follows:

Max. length	11 m
Max. width	3 m
Side height (midship)	1.5 m
Displacement (with 20 passengers)	8.63 ton
Load draft	0.82 m
Lift weight	7.03 ton
Initial transverse metacentric height (with 20 passengers)	0.87 m
Seaworthiness (Beaufort wind scale)	5

UDC: 629.125.52

Card 1/2

2

S/133/60/000/011/015/023
A054/A029

Protection of the Main Driving Machines of 1,150-mm Blooming Mills According
to the Main Effective Value

Thus, the control of the motor load is realized by maintaining during T_c intervals an A value not higher than $I^2 T_c / a^2$ hour. The contacts of the time interval relay disconnect every 15 minutes, dropping the contact mechanism to zero. The scheme also provides measures to prevent the bloom from being retained on the rollers, moreover, a protection is also provided against the maximum slip of the motor, preventing rolling at slips above 25% and permitting the operation to continue only when the slip did not rise above 8-10%. There is a description of the protective scheme. There is 1 figure.

ASSOCIATION: Zavod imeni Dzherzhinskogo (Plant imeni Dzherzhinskogo)

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